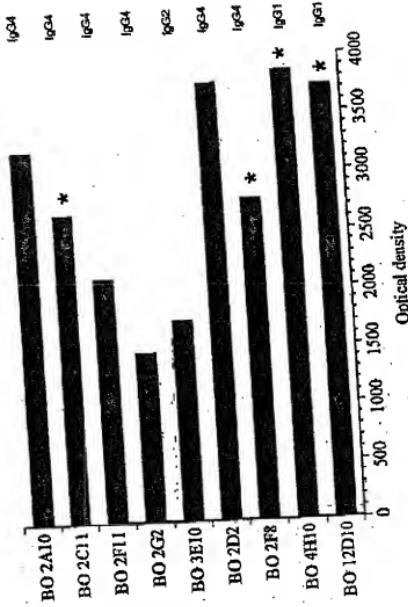


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IgG antibody binding to FvII in ELISA



* Inhibition of FvII activity in coagulation assay

Fig. 1

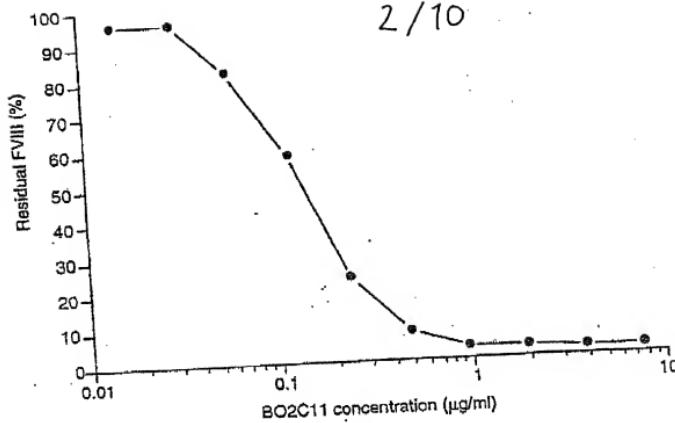


Fig. 2

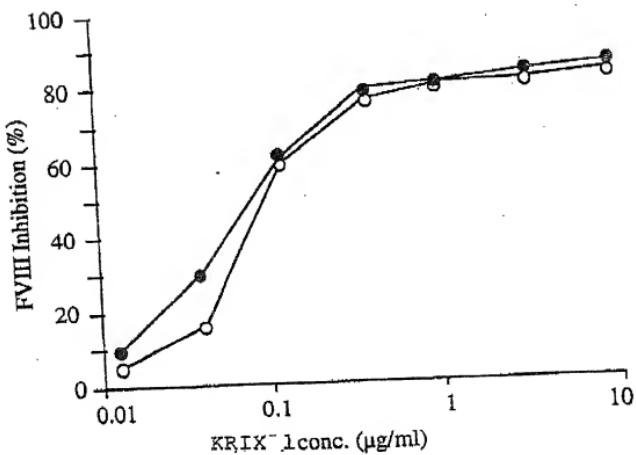


Fig. 3

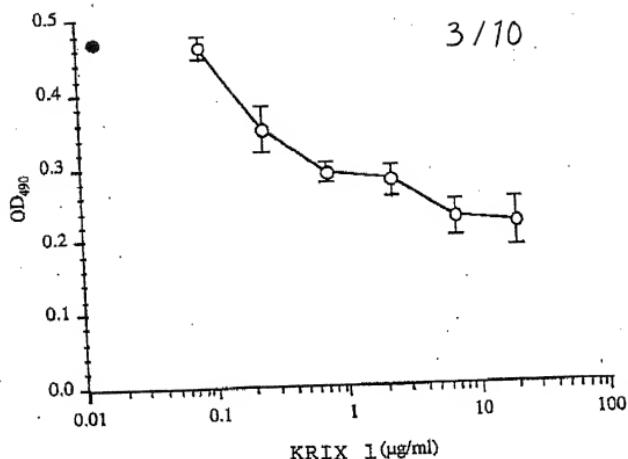


Fig. 4

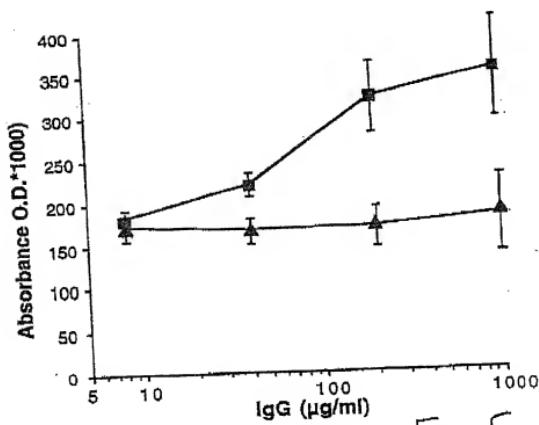


Fig. 5

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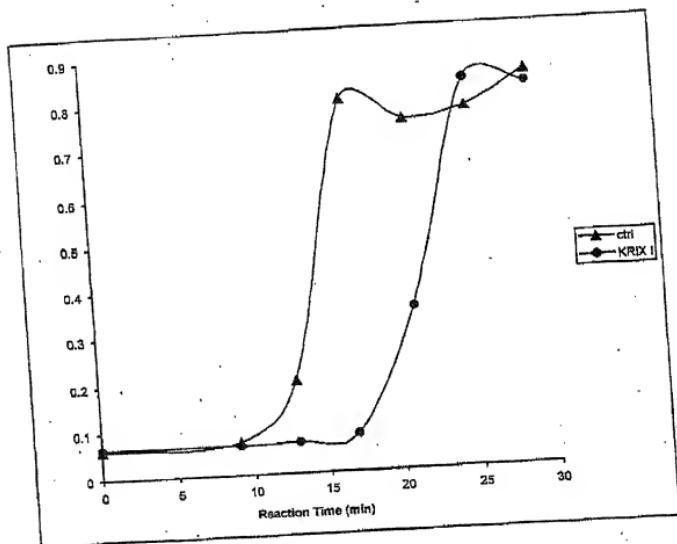


Fig. 6

Figure 7

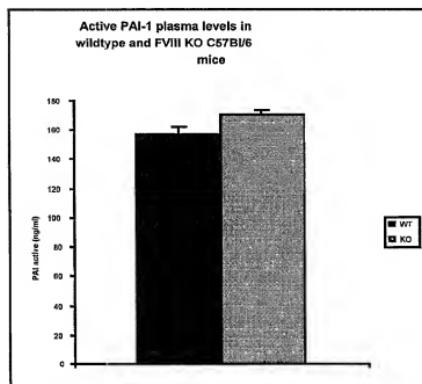


Figure 8

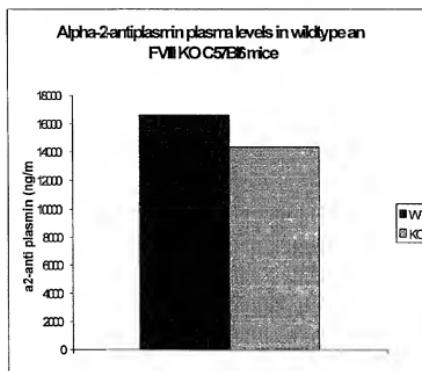
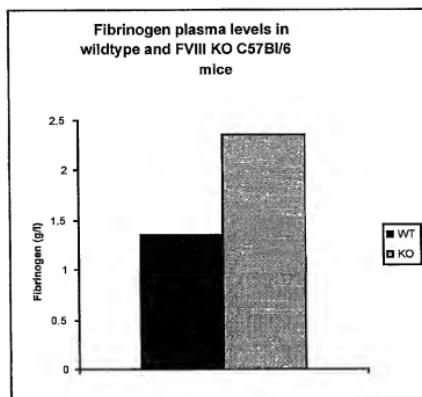


Figure 9



VH BO 2C11

1 atg gac tgg acc tgg agg atc ctc ttc ttg gtg gca gca gct aca ggc acc cac gec cag 60
 Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly Thr His Ala Gln
 1 20
 61 gtc caa ctg gta cag tct ggg gct gag gtg aag aag cct ggg gcc tca gtg aag gtc tcc 120
 Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser
 21 40

121 tgc aag gtt tcc gga tac acc ctc act gaa tta ccc gtg cac tgg gtc gga cag gct cct 180
 Cys Lys Val Ser Gly Tyr Thr Leu Thr Glu Leu Pro Val His Trp Val Gly Gln Ala Pro
 41 ←-----CDR1-----→ 60

181 gga aaa ggg ctt gag tgg gga agt ttt gat cct gaa agt gga gaa tca atc tac gca 240
 Gly Lys Gly Leu Glu Trp Val Gly Ser Phe Asp Pro Glu Ser Gly Glu Ser Ile Tyr Ala
 61 ←-----CDR2-----→ 80

241 cgg gag ttc cag ggc agc gtc acc atg acc ggc gac aca gac ata gcc tac atg 300
 Arg Glu Phe Gln Gly Ser Val Thr Met Thr Ala Asp Thr Ser Thr Asp Ile Ala Tyr Met
 81-----→ 100

301 gag ctg agc agc ctg aga tct gac gac acg gcc gtg tat tac tgt gca gtc cct gac cct 360
 Glu Leu Ser Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys Ala Val Pro Asp Pro
 101 ←-----CDR3---→ 120

361 gat gct ttt gat atc tgg ggc caa ggg aca atg gtc acc gtc tct tca gcc tcc acc aag 420
 Asp Ala Phe Asp Ile Trp Gly Gln Gly Thr Met Val Thr Val Ser Ser Ala Ser Thr Lys
 121-----→ 140

421 ggc cca tcg gtc ttc ccc ctg gga tcc cgt 450
 Gly Pro Ser Val Phe Pro Leu Gly Ser Arg
 141 150

FIGURE 10

VL BO 2C11

1 60
 atg gaa acc cca gct cag ctt ctc ctc ctc ctc ctc ctc cca gat acc acc gga
 Met Glu Thr Pro Ala Gln Leu Leu Phe Leu Leu Leu Trp Leu Pro Asp Thr Thr Gly
 1 20
 61 120
 gaa att gcg ttg acg cag tct cca ggc acc ctg tct ttg tct cca ggg gaa aga gca acc
 Glu Ile Ala Leu Thr Gln Ser Pro Gly Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr
 21 40
 121 180
 ctc tcc tgc agg gcc agt cag agt ttt agc agc tac tta gcc tgg tat cag cag cag aaa
 Leu Ser Cys Arg Ala Ser Gln Ser Phe Ser Ser Tyr Leu Ala Trp Tyr Gln Lys Lys
 41 ←-----CDR1-----→ 60
 181 240
 cct ggc cag gct ccc agg ctc ctc atc tat ggt gca tcc acc agg gcc act ggc atc cca
 Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Thr Arg Ala Thr Gly Ile Pro
 61 ←-----CDR2-----→ 80
 241 300
 gac agg ttc agt ggc agt ggg tct ggg aca gac ttc act ctc acc atc agc aga ctg gag
 Asp Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
 81 100
 301 360
 cct gaa gat ttt gca gtg tat tac tgt cag aag tat ggt acg tca gcg atc acc ttc ggg
 Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Lys Tyr Gly Thr Ser Ala Ile Thr Phe Gly
 101 ←-----CDR3-----→ 120
 361 420
 caa ggg aca cga ctg gag att aaa gga act gtg gct gca cca tct gtc ttc atc ttc ccg
 Gln Gly Thr Arg Leu Glu Ile Lys Gly Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro
 121 140
 421 426
 cca tct
 Pro Ser
 141 142

Figure 11

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VH KRIX -1

1 atg gac tgg acc tgg agg atc ctc ttc ttg gtg gca gca gca ggc aca gga gcc cac tcc cag
Met Asp Trp Thr Trp Arg Ile Leu Phe Leu Val Ala Ala Ala Thr Gly Ala His Ser Gln
1 20

61 gtg caa ctg gtg caa tct ggg gct gag gtg aag aag ect ggg gcc tca gtg aag gtc tcc
Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala Ser Val Lys Val Ser
21 40

121 tgc aag acc tct gga tac aac ttc acc ggc tac tct gct tct gga cat atc ttc acc gcc
Cys Lys Thr Ser Gly Tyr Asn Phe Thr Gly Tyr Ser Ala Ser Gly His Ile Phe Thr Ala
41 ←-----CDR1-----60

181 tac tct gtg cac tgg gtg cga cag gcc cct gga caa ggg ctt gag tgg atg gga agg atc
Tyr Ser Val His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly Arg Ile
61 -----→ 240 ←----80

241 aac cct aac agt ggt gcc aca gac tat gca cat aaa ttt cag ggc agg gtc acc atg tcc
Asn Pro Asn Ser Gly Ala Thr Asp Tyr Ala His Lys Phe Gln Gly Arg Val Thr Met Ser
81 -----→ 300 ←----100

301 aag gac acg tcc atc agc aca gcc tac atg gaa ctg agc agg ctg aca tct gac gac acg
Arg Asp Thr Ser Ile Ser Thr Ala Tyr Met Glu Leu Ser Arg Leu Thr Ser Asp Asp Thr
101 360 ←----120

361 gcc atg tat tac tgt gcg aga gcc gac aac tat ttc gat att gtg act ggc tat act tcc
Ala Met Tyr Tyr Cys Ala Arg Ala Asp Asn Tyr Phe Asp Ile Val Thr Gly Tyr Thr Ser
121 ←-----CDR3-----420 ←----140

421 cat tac ttt gac tac tgg ggc cgg gga acc ctg gtc acc gtc tcc tca
His Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Leu Val Thr Val Ser Ser
141 -----→ 468 ←----156

Figure 12

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VL KRIX 1

1 atg gaa acc cca gct cag ctt ctc ttc ctc ctg cta ctc tgg ctc cca gat acc acc gga 60
Met Glu Thr Pro Ala Gln Leu Leu Phe Leu Leu Leu Leu Trp Leu Pro Asp Thr Thr Gly
1 20

61 gaa att gtg ttg acg cag ttc cca ggc acc ctg tct ttg tct cca ggg gaa aga gcc acc 120
Glu Ile Val Leu Thr Gln Phe Pro Gly Thr Leu Ser Leu Ser Pro Gly Glu Arg Ala Thr
21 40

121 ctc tcc tgc agg gcc agt cag agt gtt gcc agc gcc tac tta gcc tgg tac cag caa aaa 180
cct ggc cag gct ccc agg ctc ctc atc tat ggt gca tcc agt agg gcc acc gac atc cca
Leu Ser Cys Arg Ala Ser Gln Ser Val Ala Ser Ala Tyr Leu Ala Trp Tyr Gln Gln Lys
41 ←-----CDR1-----→ 60

181 cct ggc cag gct ccc agg ctc ctc atc tat ggt gca tcc agt agg gcc acc gac atc cca 240
Pro Gly Gln Ala Pro Arg Leu Leu Ile Tyr Gly Ala Ser Ser Arg Ala Thr Asp Ile Pro
61 ←----- CDR2-----→ 80

241 ccc agg ttc agt ggc agt ggg tct ggg aca gac ttc act ctc acc atc agc aga ctg gag 300
His Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
81 100

301 cct gaa gat ttt gca gtg tac tac tgt cag caa tat ggt acc tca gcc tta ctc act ttc 360
Pro Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Gly Thr Ser Ala Leu Leu Thr Phe
101 ←-----CDR3-----→ 120

361 ggc gga ggg acc aag gtg gag atc aaa cga act gtg gct gca cca tct gtc ttc atc ttc 420
Gly Gly Gly Thr Lys Val Glu Ile Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe
121 140

420 429
ccg cca tct
Pro Pro Ser
141 143

Figure 13